



# RoadRunners Evolution - 1D

Designed for applications where form factor, weight and autonomy are key



- Superior reading quality CMOS linear imager
- Huge battery autonomy : more than 30,000 scans
- Bluetooth Class 1 ( up to 100 meters )
- Real-time clock : ideal for proof of visit or time management
- Withstands multiple drops onto concrete with its protective boot
- Internal memory available for Batch mode
- Interfaces with a large variety of Bluetooth® devices : PDA / mobile phone / laptop / tablet PC...

- Field Services
- Parcel Delivery
- Asset Tracking
- Merchandising

# BRR-L Evolution Specifications

## STANDARD - REGULATORY

Bluetooth® 2.0  
SPP profile  
Bluetooth certified

## USER INTERFACE

Two tricolors LEDs (Orange, Green, Red)  
Buzzer (85dBA)

## BLUETOOTH RANGE

Class 1: up to 330 ft (100m)

## OPERATING MODES

Real Time (with or without timestamp)  
Batch (with or without timestamp):10,000 UPC codes  
Mode No Data Loss with buffer:up to 10,000 UPC codes  
Flash Memory 1 MByte.

## SCAN ENGINE

Reading technology CMOS (Intermec EV10)  
Reading distance 1.5 to 19 in (4 to 50 cm)  
Scan rate 200 scan/s  
Scan angle 40°

## READING MODES

Switch (option : Laser beam ON via Bluetooth)  
Autoscan  
Smart Autoscan  
Aiming  
Option: "No duplicate scan"

## DECODING CAPABILITIES

Supported Symbolologies Interleaved 2 of 5, Code 2 of 5 Standard, Matrix 2 of 5  
Codabar / Monarch, Code 11, Code 128  
GS1-128 (UCC/EAN-128), Code 39, Italian PharmaCode  
Code 93, UPC-A/E, EAN8 / EAN13, JAN 8 / JAN13  
ISSN/ISBN, MSI,  
GS1 DataBar Omnidirectionnel (ex RSS-14)  
GS1 DataBar Limited (ex RSS Limited)

## POWER

Battery 1 X 2000 mAh Li-ion rechargeable  
Autonomy over 30,000 scans  
Charging time 4 hours for a full charge  
2h30 for a charge at 80%

## PHYSICAL

Length 4,84 in (123 mm)  
Width 2,05 in (52 mm)  
Height 1,3 in (33 mm)  
Weight 4,9 oz (140g)

## ENVIRONMENT

Operating temperature 14°F - +104°F (-10°C - +40°C)  
Storage temperature 0°F - 140°F (0°C - +60°C)  
Operating humidity 5 - 95% (Non condensing)  
Shock Several 6ft (2 m) drops onto concrete  
(with protective boot)  
Ambient light Full darkness to sunlight

## General features

### Ideal for mobile applications

- RoadRunners Evolution 1D has a slick design, is small and lightweight (fits neatly in one hand and can be easily attached to a belt via the key retractable reel accessory).
- Very reliable, efficient, durable.
- Thanks to its PDA stylus, BRR-L Evolution can also be used as a stylus on PDA.

### Rugged product

RoadRunners Evolution 1D, with its 3 mm of plastic casing protected by an additional layer of elastomer and the optional protective boot, is particularly adapted for harsh environments and remain fully functional even after multiple drops on concrete.

### Extremely durable battery

BRR-L Evolution can read more than 30,000 barcodes over 48 hours of continuous use.

Battery monitoring possible: Visualise in Real Time from the mobile device the battery level status of the RoadRunners.

### Superior reading quality

Can decode damaged or low quality barcodes

### No Data Loss mode and Auto Reconnection

When RoadRunners is connected to a host, scanned barcodes are transmitted in real time to this host. Barcodes are stored within internal memory until they are acknowledged by the application.

If you scan barcodes out of the radio range, they will be stored in memory and automatically downloaded when getting back into range.

### Internal time clock

Every barcode can be date and time stamped.

### Batch mode

If used in batch mode, RoadRunners Evolution 1D can store up to 10,000 UPC barcodes with timestamp.

### Intuitive user interface

- Same button to switch on, connect and scan barcodes.
- Multi color led for connection and battery status.
- Sound beeps for successful scanning (loud volume option available for noisy environment).

### Platforms compatibility

Baracoda provides a user-friendly middleware (BaracodaManager) and also supplies developers with state of the art SDK to ease the integration on the following platforms:

PC ; PPC 2002/2003; WM5/WM6; CE.NET; Palm OS, Symbian serie 9 (Mobile Phones) and Java phones (Blackberry and JSR82)

### Plug and Scan Solutions

For instant replacement of corded scanners, Baracoda supplies advanced Bluetooth Serial (RS232) and USB adapters with its wireless scanners. Just plug & scan - there is no need for driver installation.

## Package content

- 1 Scanner with rechargeable battery
- 1 PDA stylus
- 1 Charger (5V, 500mA)
- 1 CD with all the documentation and software needed

## Available accessories



Protective boot



Key retractable reel



Cradle

Only to be used  
with RoadRunners  
AND Protective Boot



Car Charger



Neck Lanyard